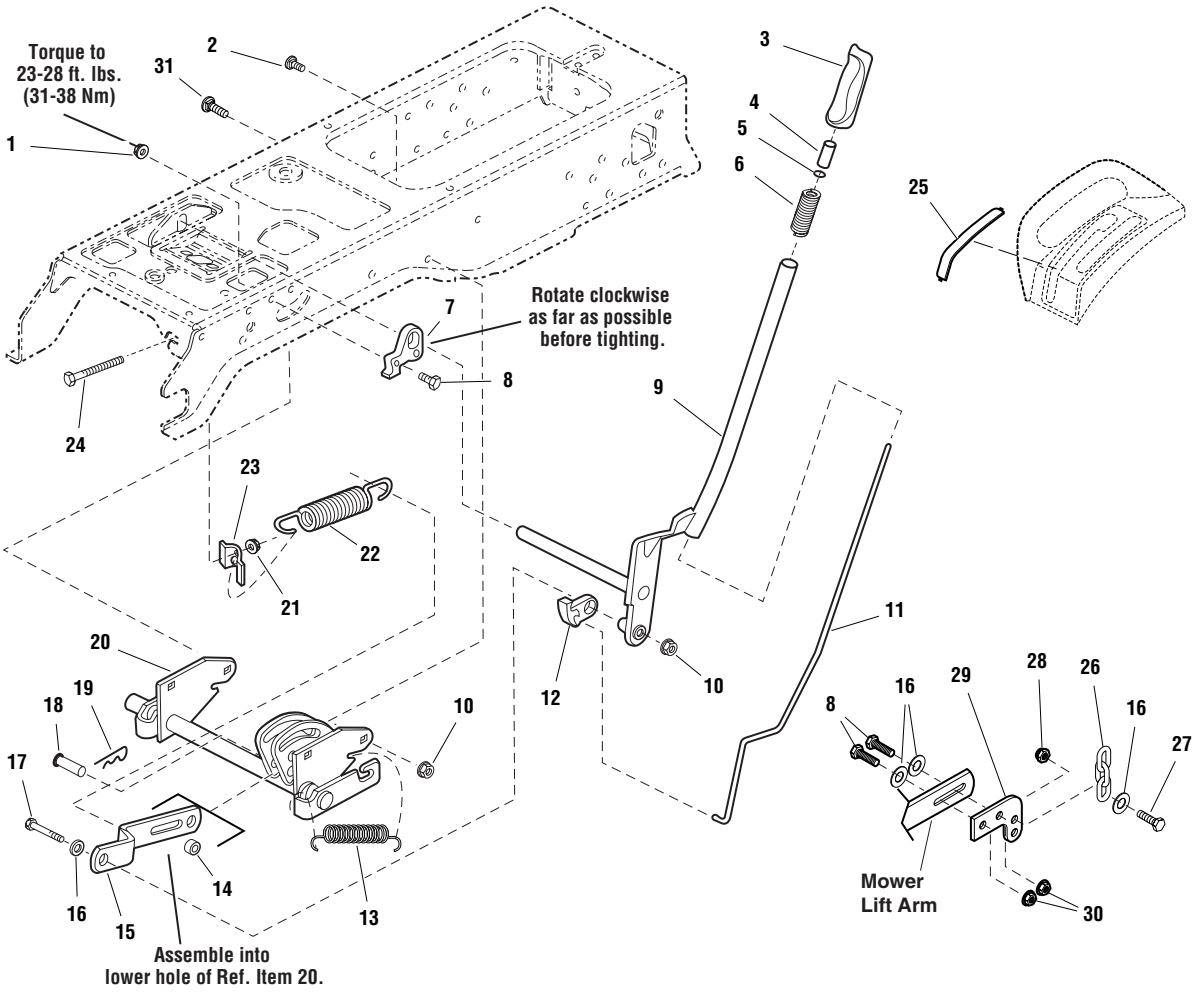
Installation Instructions

Attachment Lift Kit

Mfg. No. 1694148

For Broadmoor / 1600 / 2600 Series Tractors


Torque to 23-28 ft. lbs. (31-38 Nm)
Rotate clockwise as far as possible before tighting.
Assemble into lower hole of Ref. Item 20.
Mower Lift Arm

Kit Contents:

Ref	Part No.	Qty.	Description
1	1927557	2	NUT, Flange, 5/16-18
2	1931333	3	CARRIAGE BOLT, 5/16-18 x 3/4
3	1722291	1	GRIP, Lift Lever
4	1723124	1	BUTTON, Red Nylon, for 1/4 Rod
5	1960518	1	NUT, Push
6	1723321	1	SPRING, Compression, Lift Lever
7	1721581	1	QUADRANT, Lift, Powdered Metal
8	926149	6	CAPSCREW, 5/16-18 x 1, G8
9	1721712	1	LEVER ASSEMBLY, Lift
10	1960636	5	NUT, Hex, 5/16-18
11	1722482	1	ROD, Latch
12	1722112	1	LOCK, Lift, Powdered Metal
13	2156302	1	SPRING, Extension
14	1723163	1	SPACER, 1/2 x 3/4 x 23/32
15	1723795	1	BAR, Lift Link
16	1919381	7	WASHER, 5/16, Black
17	1921160	1	CAPSCREW, 5/16-18 x 2-1/4
18	1722819	1	PIN, Flat Hd, 1/2 x 2-1/8
19	1960033	1	CLIP, Hair Pin, 2-9/16 Long
20	1721654	1	SHAFT ASSEMBLY, Lift
21	1935255	1	NUT, Speed, 5/16-18, Lug
22	1675232	1	SPRING, Extension
23	1723499	1	RETAINER, Spring Flat
24	1722357	1	CAPSCREW, 5/16-18 x 4-1/2
25	1724378	1	COVER, Hand Control
26	1707514	2	CHAIN, 3-Link
27	1930570	2	CAPSCREW, 5/16-18 x 1-1/2
28	1919438	2	NUT, Nylock, 5/16-18
29	1724432	2	ARM, Lift, Duel, Mower
30	1931277	4	NUT, Whizlock, 5/16-18
31	1921221	1	CARRIAGE BOLT, 5/16-18 x 1-1/2

Figure 1. Contents

This kit adds an attachment lift lever to Broadmoor/1600/2600 Series lawn tractors.

⚠ WARNING

Before beginning any service work turn off the PTO, set the parking brake, turn off the ignition, and disconnect the spark plug wire(s).

INSTALLATION

1. Remove the mower deck (see operator's manual).

Remove Seat Deck & Tunnel

1. Elevate the rear of the tractor, and support the tractor on jackstands. Remove the right rear wheel.
2.

50" MOWER DECKS

Remove and discard the lift lever pivot capscrew (A, Figure 2) and related hardware. Disconnect and discard the rod (C) and lift lever (B).

38", 40" & 44" MOWER DECKS

Remove and retain the lift lever pivot capscrew (A, Figure 2) and related hardware. Disconnect and discard the rod (C) and lift lever (B).

3. Disconnect the seat switch wire harness. Remove the wire harness from the clip.
4. Move the seat slide to access the two top seat deck capscrews (B, Figure 3). Remove the capscrews.
5. Remove the four bolts (A, Figure 3) securing the front of the seat deck to both footrests.
6. Remove the gas cap.
7. Remove the cruise control knob (if equipped).
8. Remove the seat deck.
9. Remove the foot pedals (A, Figure 4) and any remaining screws securing the tunnel to the frame.
10. Pull back on the footrests (tunnel) and remove the tunnel from the frame.
11. Remove the lift lever slot plastic plug from the lower dashboard.

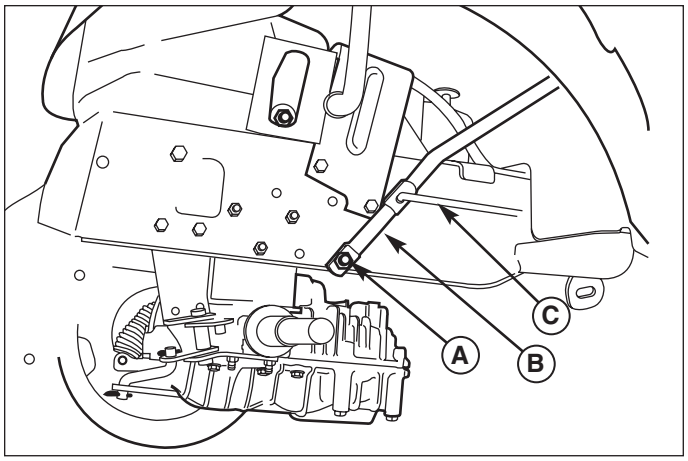


Figure 2. Seat Deck Removal
A. Pivot Capscrew C. Rod
B. Lift Lever

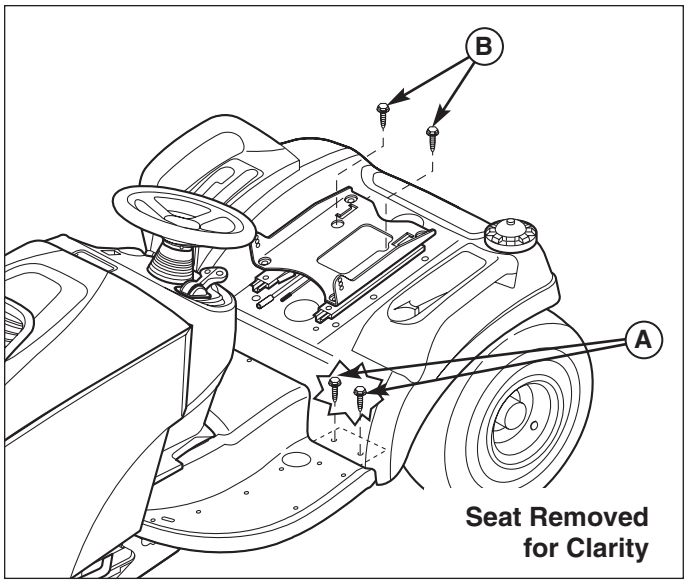


Figure 3. Seat Deck Removal
A. Foot Rest Screws (Two per Side)
B. Top Seat Deck Screws

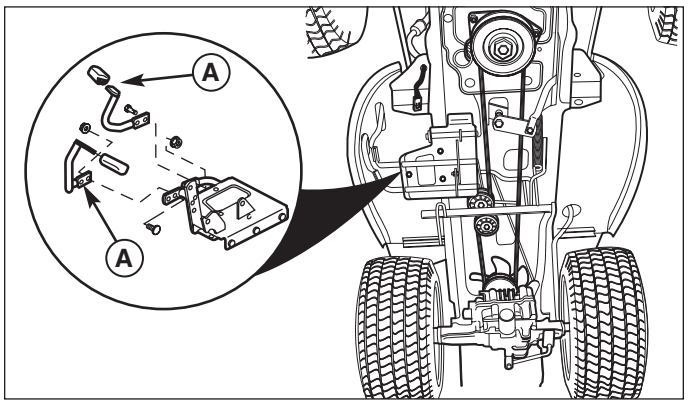


Figure 4. Pedals
A. Foot Pedals

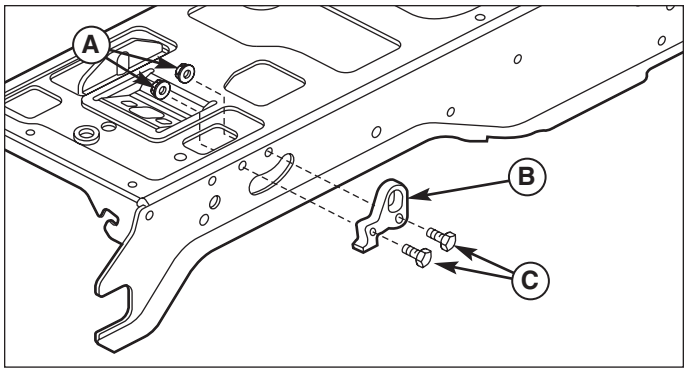


Figure 5. Install Lift Quadrant
A. Flange Nuts, 5/16-18
B. Lift Quadrant
C. Capscrews, Grade 8, 5/16-18 x 1

Install Lift Lever & Lift Shaft Assembly

1. Install the lift quadrant (B, Figure 5) using two 5/16-18 x 1 grade 8 capscrews (C) and flange nuts (A).
2. Insert the lift lever (F, Figure 6) through the quadrant, frame, and lift latch (D). **NOTE:** Route the wire harness and fuel line above the lift lever cross bar. DO NOT pinch the fuel line and wire harness between the cross bar and frame.
3. Insert a 5/16-18 x 2-1/4 capscrew through a 5/16 washer (B), lift bar (C), frame, lift latch (D), and lift lever (F). Secure with a 5/16 locknut.
4. Mount the lift shaft assembly (A, Figure 7) to the frame using three 5/16-18 x 3/4 carriage bolts (B), 5/16-18 x 1-1/2 carriage bolts (D) and flange nuts (C).

Note: If the unit has a single point pick-up for the mower reinstall the bell crank to the rear right lift shaft hole.

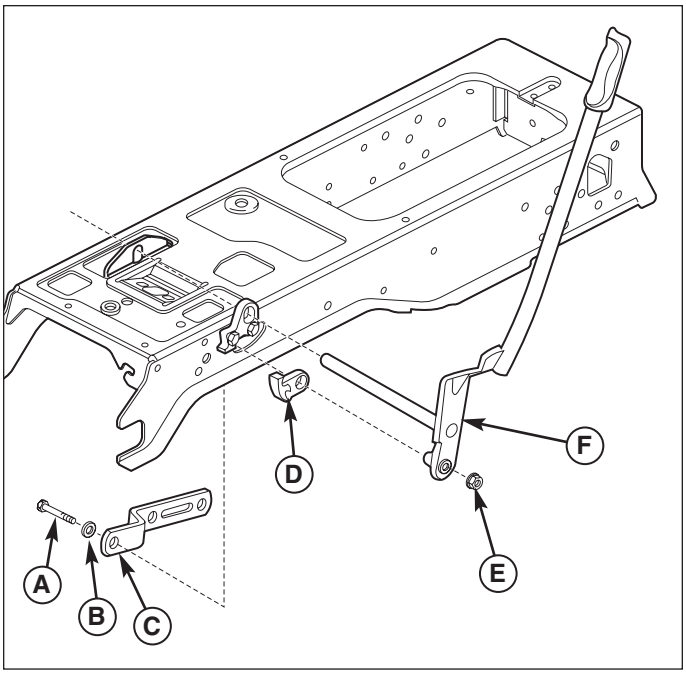


Figure 6. Install Lift Lever
A. Capscrew, 5/16-18 x 2-1/4
B. Washer, 5/16
C. Lift Bar
D. Lift Latch
E. Locknut 5/16-18
F. Lift Lever

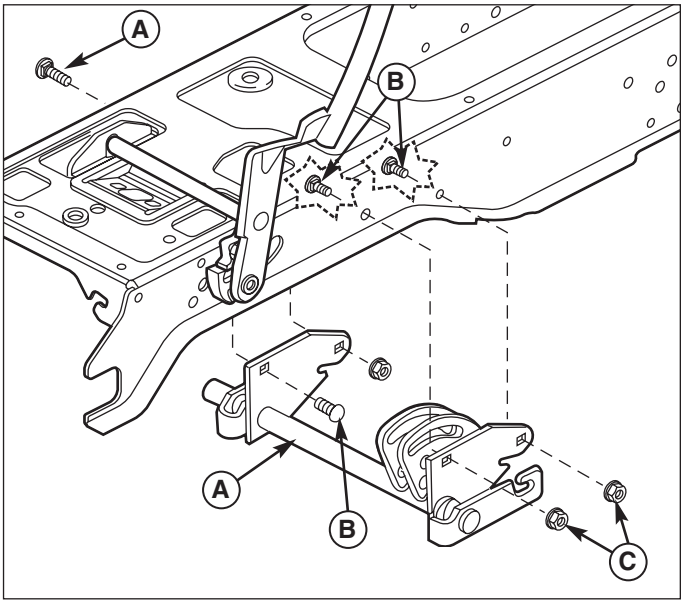


Figure 7. Install Lift Shaft Assembly.
A. Lift Shaft Assembly
B. Carriage Bolts, 5/16-18 x 3/4
C. Flange Nuts
D. Carriage Bolt, 5/16-18 x 1-1/2

Install Return Spring

1. Insert the return spring (A, Figure 8) through the lift shaft assembly from the bottom and hook the front leg of the spring on the top edge of the lift arm.
2. Route the spring around the bottom of the shaft and hook the back leg on the notch in the plate.

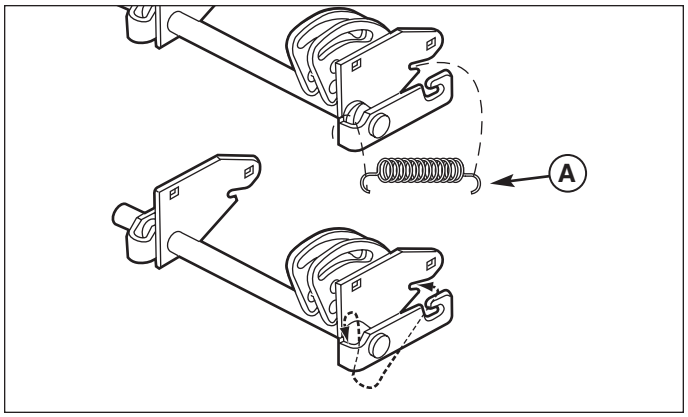


Figure 8. Install Return Spring
A. Return Spring

Install Lift Link

1. Connect the lift bar to the lift shaft assembly. Note that the pin (A, Figure 9), spacer (C), and hair pin clip (E) are installed in different positions depending on what attachment is to be used.

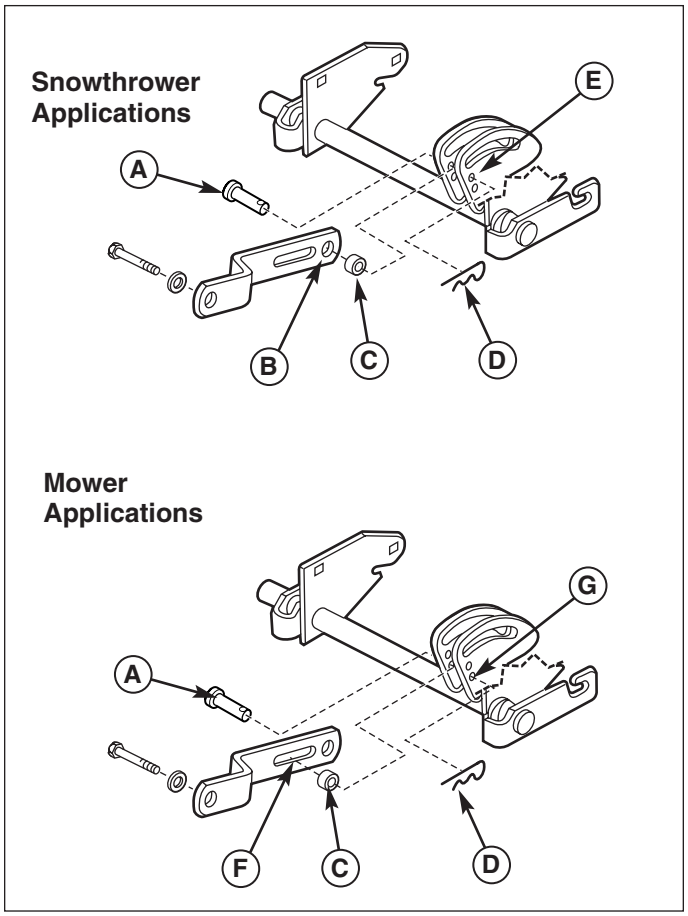


Figure 9. Connect Lift Link
A. Pin
B. Rear Hole of Lift Bar (Snowthrower Applications)
C. Spacer
D. Hair Pin Clip
E. Upper Hole (Snowthrower Applications)
F. Slot of Lift Bar (Mower Applications)
G. Lower Hole (Mower Applications)

Install Assist Spring

1. Assemble the spring (D, Figure 10), speed nut (C), retainer (B), and 5/16-18 x 4-1/2 capscrew (A).
2. Hook the back of the spring (D) into the small hole and notch (E) in the the lift link.

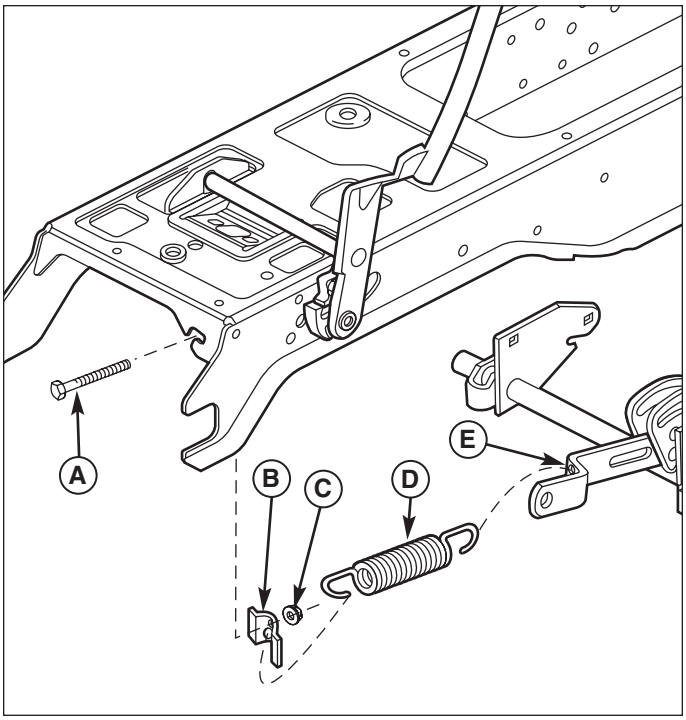


Figure 10. Install Assist Spring
A. Capscrew, 5/16-18 x 4-1/2
B. Retainer
C. 5/16 Speed Nut
D. Spring
E. Small Hole and Notch in Lift Link

3. Route the capscrew (A, Figure 11) through the notch in the frame, and tighten until it remains in position. After the attachment is installed, tighten until desired assist is achieved.

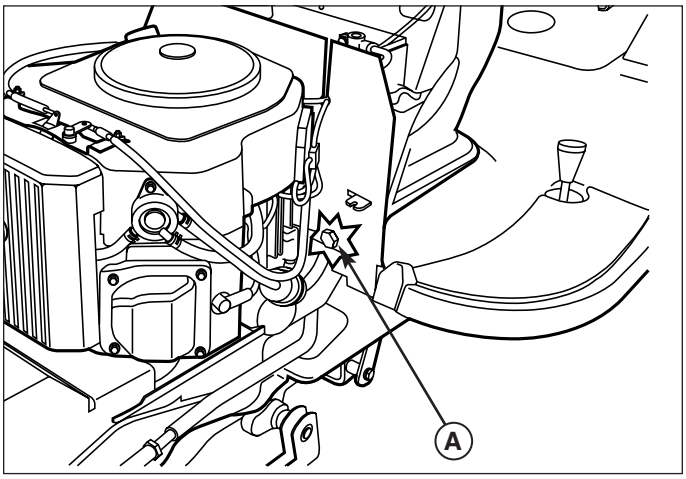


Figure 11. Manual Lift Assist Bolt
A. Adjustment Bolt

Install Tunnel

1. Set the tunnel on the tractor frame and slide it forward under the dashboard.
2. Secure the tunnel to the frame using the original hardware.
3. Reinstall the foot pedals (A, Figure 12).
4. Reinstall the cruise control knob.

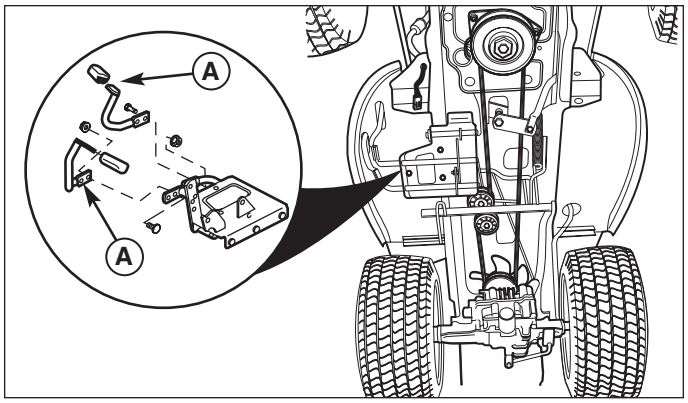


Figure 12. Pedals
A. Foot Pedals

Install Seat Deck

1. Reinstall the gas tank, if removed. Remove the gas cap.
2. Set the seat deck down on the seat deck support. Route the seat switch wire harness though the hole in the center of the seat deck.
3. Reinstall the gas cap.
4. Secure the seat deck with the original taptite screws (B, Figure 13), foot rest screws, & nuts.
5. Reconnect the seat switch wire harness.
6. If equipped, install the cruise control knob.
9. Reinstall the right rear wheel.

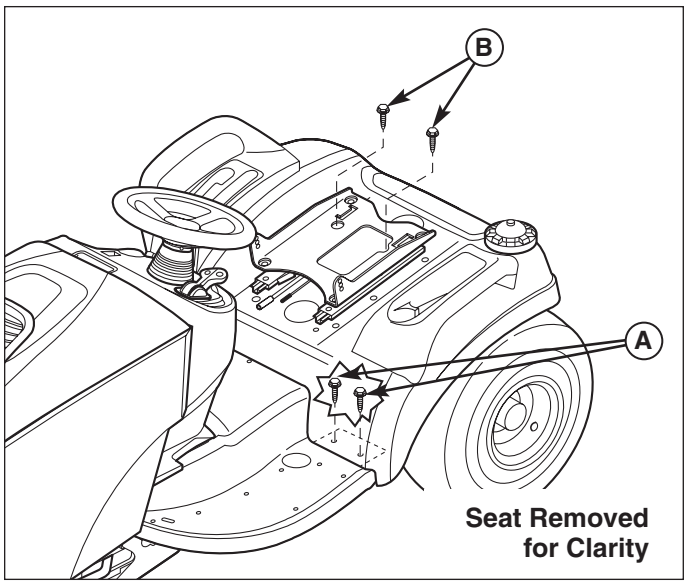


Figure 13. Seat Deck Removal
A. Foot Rest Screws (Two per Side)
B. Top Seat Deck Screws

Modify Mower Deck

ALL MODELS

1. Remove and discard the washer and cotter pin (A, Figure 14) securing the lift link (B). Retain the lift link (B). for 38”, 40” and 44” mowers. Discard the lift link (B) for 50” mowers.

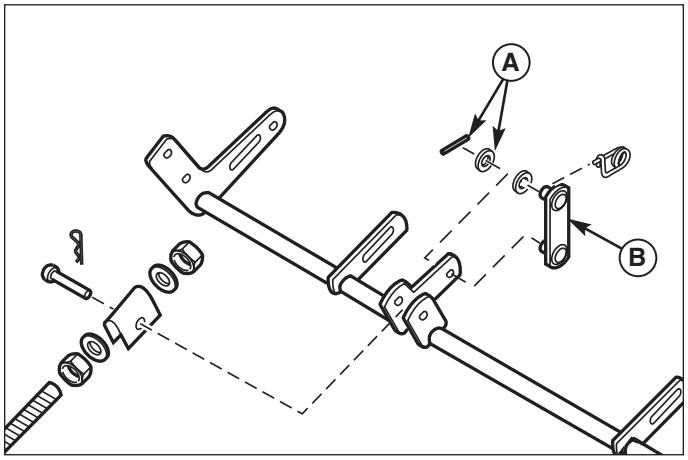


Figure 14. Remove Mower Lift Link
A. Washer & Cotter Pin
B. Lift Link

50" MODELS

Note: Old style only

2. Mount a new lift arm (G, Figure 15) on the inside of both the left and right mower lift arms (H) using two 5/16-18 x 1 capscrews (F), washers (C), and whizlock nuts (A).
3. Secure chains (D) to the inside of the LH and RH lift arms (G) using a 5/16-18 x 1-1/2 capscrew (E), washer (C), and nylock nut (B). The nut should be snug, but the chain should be able to pivot.

44" MODELS

Note: Some models

2. Mount a new lift arm (G, Figure 15) on the inside of both the left and right mower lift arms (H) using two 5/16-18 x 1 capscrews (F), washers (C), and whizlock nuts (A).
3. Secure chains (D) to the inside of the LH and RH lift arms (G) using a 5/16-18 x 1-1/2 capscrew (E), washer (C), and nylock nut (B). The nut should be snug, but the chain should be able to pivot.

40" MODELS

Note: Some models

2. Secure middle hole of the chains (D) to the inside of the LH and RH lift arms (H) using a 5/16-18 x 1-1/2 capscrew (E), washer (C), and nylock nut (B). The nut should be snug, but the chain should be able to pivot.

38" MODELS

Note: Some models

2. Secure chains (D) to the inside of the LH and RH lift arms (H) using a 5/16-18 x 1-1/2 capscrew (E), washer (C), and nylock nut (B). The nut should be snug, but the chain should be able to pivot.

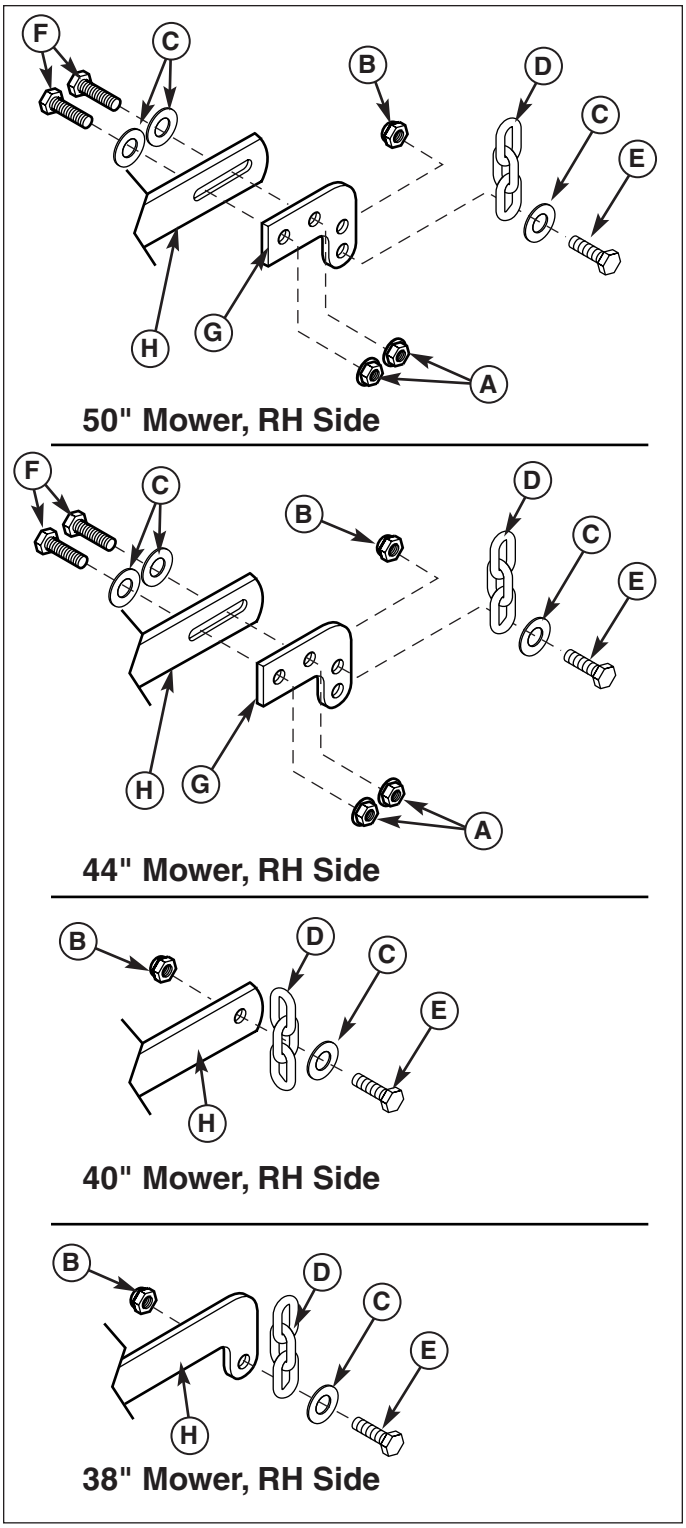


Figure 15. Modify Mower Deck - 44" & 50"
A. Whizlock Nut, 5/16-18
B. Nylock Nut, 5/16-18
C. Washers, 5/16
D. Chain Link
E. Capscrew, 5/16-18 x 1-1/2
F. Capscrew, 5/16-18 x 1
G. New Lift Arm
H. Mower Lift Arm

LIFT LINK POSITION

The lift link is installed differently depending on what attachment is being used. Refer to the illustration at right for link installation information.

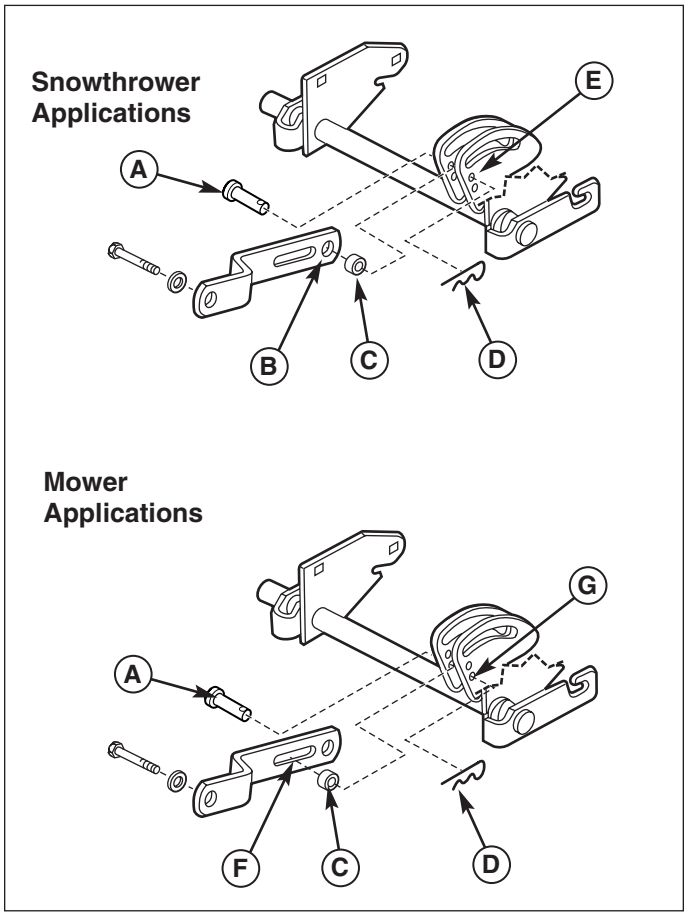


Figure 16. Connect Lift Link
A. Pin
B. Rear Hole of Lift Bar (Snowthrower Applications)
C. Spacer
D. Hair Pin Clip
E. Upper Hole (Snowthrower Applications)
F. Slot of Lift Bar (Mower Applications)
G. Lower Hole (Mower Applications)

MOWER DECK REMOVAL & INSTALLATION

⚠ WARNING

Engage parking brake, disengage PTO, stop engine and remove key before attempting to install or remove the mower.

Muffler and surrounding areas may be hot.

Removing the Mower Deck

1. Park the tractor, fully lower the attachment lift, turn off the PTO, turn off the engine, remove the key, and engage the parking brake.
2. Place mower in the lowest cutting position using the mower height control (C, Figure 17).
3. Use the idler arm (D, Figure 18) to release tension on the PTO belt, and remove belt from the PTO pulley.
4. Pull down on the lift hooks (A, Figure 18) and unhook the lift chains (B).
5. Turn the wheels straight ahead. Pull back on spring-loaded lever (B, Figure 19) and lift mower hitch off of the tractor brackets (A).
6. Turn wheels fully left, and slide mower deck out from under the right side of the tractor.

Installing the Mower Deck

1. Park the tractor, fully lower the attachment lift, turn off the PTO switch, turn off the engine, remove the key, and engage the parking brake. Turn the wheels fully to the left.
2. Place mower in the lowest cutting position using the mower height adjuster (C, Figure 17). Slide the mower deck under the right side of tractor so that the mower hitch is aligned with front tractor hitch (A, Figure 19).
3. See Figure 19. Turn wheels straight. Pull back on the spring-loaded lever (B) while lifting up on the mower hitch. Install the mower hitch onto tractor hitch brackets (A). When properly installed, the spring-loaded lever should seat fully underneath the brackets (A).
4. See Figure 18. Connect the mower lift chains (B) to the the tractor lift hooks (A).
5. See Figure 18. From left side of tractor, use the idler arm (D) to relieve belt tension. Install belt (C) onto the PTO pulley.

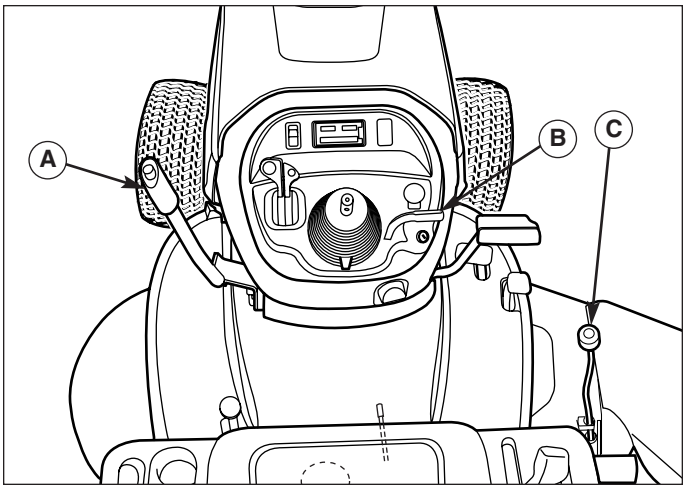


Figure 17. Raising & Lowering Mower
A. Attachment Lift - Manual
B. Attachment Lift - Hydraulic
C. Cutting Height Control

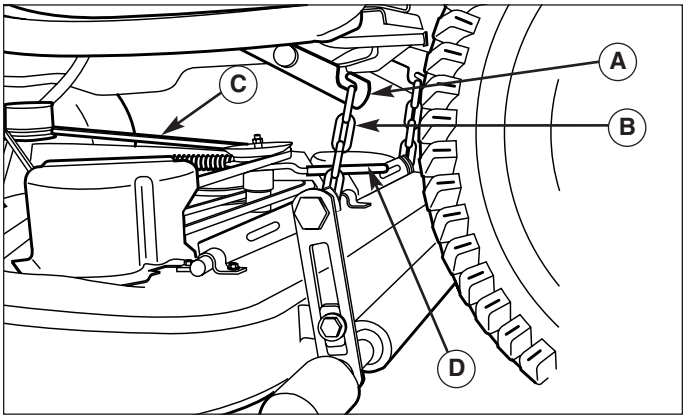


Figure 18. Mower Lift
A. Lift Hook
B. Lift Chain
C. PTO Belt
D. Idler Arm

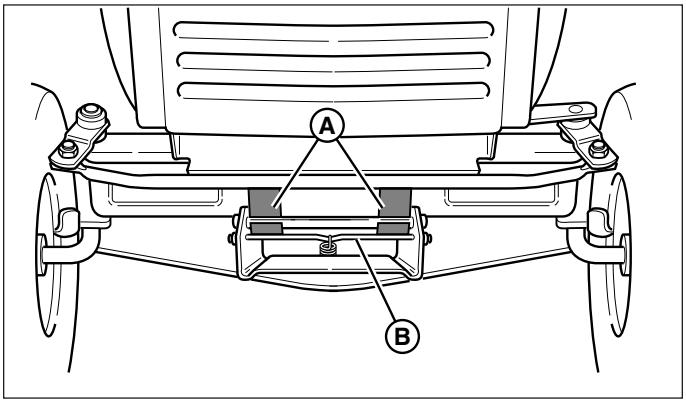


Figure 19. Mower Hitch
A. Tractor Hitch Brackets
B. Spring-Loaded Lever

NOTES

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